

ABSTRACT OF THE DISCLOSURE

5 A method for preparing a spray dried catalyst and a low viscosity, low foam spray
dried catalyst system for olefin polymerization are provided. In one aspect, the method
includes preparing a catalyst system comprising one or more components selected from the
group consisting of metallocenes, non-metallocenes, and activators, adding mineral oil to the
catalyst system to form a slurry, and adding one or more liquid alkanes having three or more
carbon atoms to the slurry in an amount sufficient to reduce foaming and viscosity of the
10 slurry. In one aspect, the catalyst system includes one or more catalysts selected from the
group consisting of metallocenes, non-metallocenes, and a combination thereof, wherein the
catalyst system is spray dried. The system further includes mineral oil to form a slurry
comprising the catalyst system, and one or more liquid alkanes having three or more carbon
atoms in an amount sufficient to reduce foaming and viscosity of the slurry.

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